

Converting Colors

XYZ(77.4039, 81.9025, 50.0087)

Have a look what the booklet for
XYZ(77.4039, 81.9025, 50.0087)
contains.

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Color

**XYZ(77.4473, 81.9135,
50.2571)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE8AB
RGB	255, 232, 171
RGB Percent	100%, 91%, 67%
CMY	0.0000, 0.0902, 0.3294
CMYK	0.00, 0.09, 0.33, 0.00
HSL	44°, 100%, 84%
HSV	44°, 33%, 100%
XYZ	77.4473, 81.9135, 50.2571
YIQ	231.9230, 33.2890, -14.0950

Conversions

Conversions Part 2

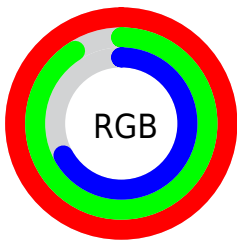
Format	Color
RYB	203, 255, 171
Decimal	16771243
CIELab	92.54, -0.82, 32.57
CIELCh	93, 32.578, 91.444
Yxy	81.9135, 0.3695, 0.3908
Android (android.graphics.Color)	4294961323 (0xFFFFE8AB)
YUV	231.9230, -30.0350, 20.2385
Hunter-Lab	90.5061, -5.6407, 30.4311

Details

The XYZ color **77.4473, 81.9135, 50.2571** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **54.1359, 54.4599, 102.2663**, and the grayscale version is **76.8461, 80.8481, 88.0436**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **42.0181, 44.6226, 23.5380** is the 20% darker color. If you saturate the color by 10%, you get **73.3219, 77.1844, 38.0252**, and if you desaturate by 10%, it is **82.1237, 86.9937, 64.9879**.

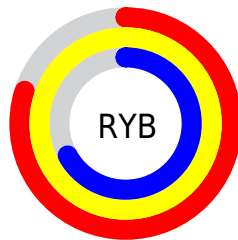
Distribution



Red (100%)

Green (91%)

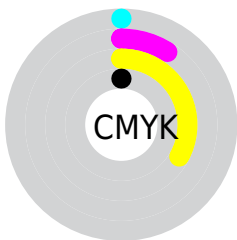
Blue (67%)



Red (80%)

Yellow (100%)

Blue (67%)

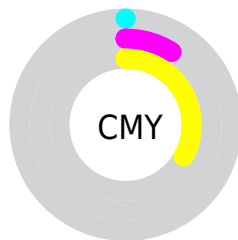


Cyan (0%)

Magenta (9%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4473, 81.9135, 50.2571 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.4473, 81.9135, 50.2571 by changing the saturation by 10% instead.

77.4473, 81.9135,
50.2571

77.4473, 81.9135,
50.2571

475.1563,
501.3583, 404.4343

57.9213, 61.2942,
35.2451

128.7402,
136.0527, 91.9559

41.9884, 44.4627,
23.5667

161.2378,
170.3414, 119.4798

29.2833, 31.0344,
14.8033

198.7899,
209.9554, 152.0115

19.4406, 20.6250,
8.5364

241.7619,
255.2791, 189.9693

12.0949, 12.8502,
4.3474

290.5192,
306.6968, 233.7720

6.8810, 7.3255,
1.8178

345.4272,

3.4335, 3.6665,

364.5930, 283.8381

0.4396

406.8511,
429.3520, 340.5860

■ 1.3869, 1.4888,
0.0000

■ 0.2469, 0.2808,
0.0000

■ 77.4473, 81.9135,
50.2571

■ 77.4473, 81.9135,
50.2571

■ 73.3219, 77.1844,
38.0252

■ 82.1237, 86.9937,
64.9879

■ 69.7136, 72.7827,
28.1442

■ 87.3709, 92.4256,
82.3438

■ 66.5935, 68.6982,
20.4585

■ 93.2149, 98.2239,
102.4488

■ 63.9273, 64.9159,
14.7913

95.0500, 100.0000,
108.9000

■ 61.6753, 61.4182,
10.9384

■ 59.7896, 58.1845,
8.6518

■ 58.6301, 56.0401,
7.7267

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8931, 81.9135, 54.2125



77.4473, 81.9135, 50.2571



69.6760, 81.9135, 55.0589

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4473, 81.9135, 50.2571



64.7878, 81.9135, 115.7633



93.0343, 81.9135, 113.3616

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.4473, 81.9135, 50.2571



54.1359, 54.4599, 102.2663

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6531, 81.9135, 135.1263



77.4473, 81.9135, 50.2571



70.3372, 81.9135, 136.6802

Square

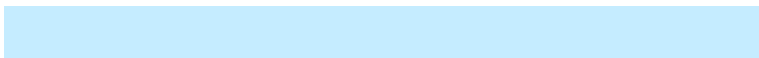
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4473, 81.9135, 50.2571



62.7021, 81.9135, 90.3685



78.2668, 81.9135, 144.3314



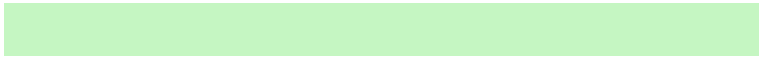
95.2744, 81.9135, 88.0215

Rectangle

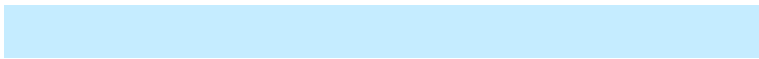
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4473, 81.9135, 50.2571



65.8172, 81.9135, 63.1926



78.2668, 81.9135, 144.3314



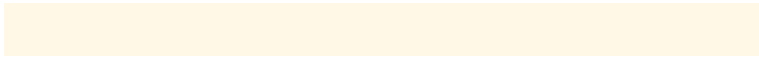
91.2807, 81.9135, 121.4880

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77.4493, 81.9172, 50.2588



89.0262, 94.0920, 87.9647



65.6312, 54.3178, 58.5375



18.8845, 19.9682, 18.2466



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

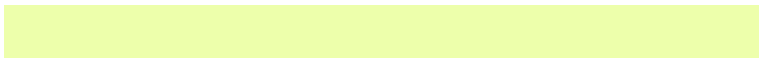
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.4493, 81.9172, 50.2588



74.4803, 78.5411, 41.3714



77.9694, 92.4306, 52.2607



19.1161, 20.2003, 19.0359



30.7665, 29.5443, 4.0810



3.0868, 3.0591, 0.4278

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54.1359, 54.4599, 102.2663



47.6948, 47.0081, 101.1674



53.6497, 47.1913, 100.8889



17.4076, 18.1868, 22.8429



10.6753, 6.2602, 50.0803



1.1258, 0.7823, 4.9049

Previews

White Background



This preview shows how the XYZ color 77.4473, 81.9135, 50.2571 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.4473, 81.9135, 50.2571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.4473, 81.9135, 50.2571

Background



This preview shows how black text looks on a background with the XYZ color 77.4473, 81.9135, 50.2571.



This preview shows how white text looks on a background with the XYZ color 77.4473, 81.9135,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.4473, 81.9135, 50.2571

Protanopia

76.3690, 81.7656, 50.7870

Deuteranopia

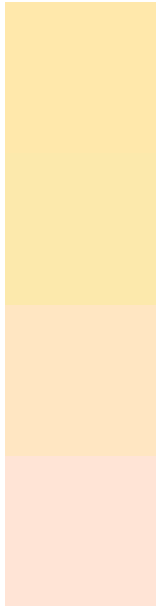
80.5218, 81.8036, 70.5772



Tritanopia

83.8690, 81.8258, 92.2625

Trichromacy



Original Color

77.4473, 81.9135, 50.2571

Protanomaly

76.7302, 81.9518, 50.8039

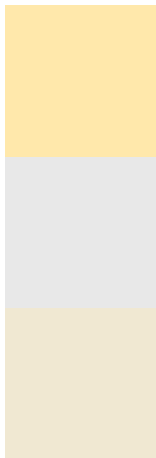
Deuteranomaly

79.2744, 81.7487, 62.6398

Tritanomaly

81.1210, 81.6018, 75.0935

Monochromacy



Original Color

77.4473, 81.9135, 50.2571

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.4247, 80.8916, 72.5584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4473, 81.9135, 50.2571 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 232, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 171)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 232, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 171) }
```

Border

The CSS property to change the border of an element to XYZ 77.4473, 81.9135, 50.2571 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 232, 171) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 232, 171) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 232, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4473, 81.9135, 50.2571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 171) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
232, 171) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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